SUPPLEMENT TO AN 16-30CRT3-2
HANDBOOK OF MAINTENANCE INSTRUCTIONS

for

RADIO SET
AN/CRT-3A

CONTAINS STANDARD NAVY STOCK NUMBERS
BUREAU OF SHIPS MAINTENANCE PARTS

KPC-23753-A

AUG. 15, 1951
REV. FEB. 15, 1954

TABLE OF REPLACEABLE PARTS

Symbol Designation	Name and Description of Part	Function	Navy Aero Signal Corps & Standard Navy Stock Numbers	Jan-Designation	All Symbols Involved	Mfr's. Part Number	Contractor's Part/Dwg. Number
A-301	CABINET, ELECTRICAL EQUIPMENT: 0.064 in. aluminum alloy, except for fittings; empty; for transmitter, power supply, and automatic keying device; 10-9/32 in. h x 9-21/32 in. wd x 8 in. d; 2 hinges for attaching belt; (felt-lined crank well in back; hole for crank bushing in top; painted orange-yellow).	Waterproof housing	N16-C-10608-5501				23697
A-302	STRAP LEG: olive drab cotton webbing; 9-½ in. lg x approx. 5 in. wd x 2 in. tk overall; (one end terminated w/metal buckle 3-11/16 in. wd. x 3-¾ in. lg x 1-½ in. h overall; other end terminated w/aluminum alloy painted hinge and stiffener, used on cabinet). Has mildew resistance Spec AXS-1247-Type 2.	Buckle end of belt	N16-S-691001-102				23749
A-303	STRAP, LEG: olive drab cotton webbing; approx 43-½ in. lg x 5 in. wd x ¼ in. thk overall; (one end terminated w/aluminum alloy painted hinge and stiffener; other end terminated w/tongue overlapping 18-¾ in. x 3 in. wd and extending 8 in. beyond end of main strap, end of which is stiffened by thermo-setting plastic impregnation, used on cabinet). Has mildew resistance Spec AXS-1247-Type 2.	Tip end of belt	N16-S-691001-101				23750
A-304	CAP; Zamak #5; 1-5/16 in. diam x 11/16 in. thk overall; (swivel in center of rear; top of cap marked "Turn" with indicating arrow, Including gasket. Single flute each side top of cap.	Cover for ground well	#2Z3352 92 N16-C-145959-101 R16KP-22507				22507-22525-23476
A-305	CAP, black tenite finished with fungicidal lacquer; cover; 2 in. diam x 25/64 in. thk; (hole in under side of cap 1-3/16 in. diam x 3/16 in. d. tapped 1-¼ in. 18 NS; marked "Turn" with accompanying arrow, and "Crank socket remove" in raised lettering; 6 finger grooves in rim). Including gasket H-306.	Cover for crank socket	2C6596-778A/C1 N17-C-201113-551 R16PDI-450377				22682-23019
A-306	CAP, DESICATOR: die cast Zamak #5; dipped in caustic bath and Edol Z, outer surface painted with telephone black; 1-3/16 in. diam x 15/32 in. d; (9/32 in. threaded 1-20 NS-3; screw-driver slot in top ¾ in. lg x 3/64 in. wd x 3/32 in. d). Including gasket.	Cover for desiccator compartment	2Z1607-21 N16-C-145476 101 R16C4564-450				22508-22525
A-307	DESICCANT ASSEMBLY, 3-¼ in. x 1-½ in. silica gel: cotton bag containing crystals; 2-¾ in lg x 1 in. wd overall; (crystals change from blue to pinkish white upon absorbing moisture).	Dehydrating agent	#6Z477-1 Filled with 6G250-2 N16-D-17174-6431				22885-22503

* Not furnished as a maintenance part to Bureau of Ships activities. If failure occurs, do not request replacement unless the item cannot be repaired or fabricated.

TABLE OF REPLACEABLE PARTS

Symbol Designation	Name and Description of Part	Function	Navy Aero Signal Corps & Standard Navy Stock Numbers	Jan-Designation	All Symbols Involved	Mfr's. Part Number	Contractor's Part/Dwg. Number
A-401	BAG, RADIO SET: Sig C Bag BG-115-A; canvas, yellow; 10-½ in. lg x 14-¾ in. wd x 19-⅞ in. h; (lined with ½ in. thk hair felt; 1 webbing hand grip on each of four sides; permanently attached cover with 3-½ in. x 3-½ in x 3-½ in. projecting compartment to accommodate kite and inflating tube bag; cover secured by lacing cord through metal grommets; 2 metal loops projecting through cover for attaching parachute; supplied with cushioning strips, pads, and smaller bag for kite and inflating tubes. Includes ref A-402.	Contains all other components of radio set	#2Z551-155A N16-B-110001-116 R16B1050-700			Fisher-Norwalk #BG-155A	23020
A-402	BAG: preshrunk canvas, yellow; 23 in. lg x 5-¼ in. wd; (draw string in top; warnings and list of contents printed on outside). P/o ref A-401.	Contains kite and inflating tube	#2A1680 N16-B-110001-115				23751
A-404	KITE: Sig C Kite M-357-A; metal framework; packed, 18in. lg x 4 in. diam overall; assembled, 17-1/16 in. x 17-1/16 in. x 36 in. overall; (instructions imprinted on fabric; 4 kapok-filled pockets in fabric; 2 alternative bridling eyes for attaching antenna swivel clasp).	Raises and supports antenna	#2A1678-357A or 2Z1678-357A F16-K-550001-101 R16K3303			Heddon and Sons #M-357A	23004
A-405	GENERATOR, HYDROGEN: Sig C Hydrogen generator M-315-B; steel cylinder and separate inflating tube; cylinder 4-⅝ in. diam x 11-11/16 in. lg overall; total generating time 30 min; (cylinder filled with lithium hydride; operated by immersion in water; key and tongue on each end for opening cylinder). Includes ref A-406.	Produces hydrogen to inflate balloon	#6Z4315B F16-G-58751-1002 R16G3035			Government Furnished	23708
A-406	NOZZLE KITE BALLOON INFLATION: aluminum, with fibre insulating grip; 1-1/16 in. diam x 19 in. lg overall; (assembly of tube, spiral strip running lg of tube, needle insert in end of tube, and insulating grip; ⅜ in. of tube threaded; 1/16 in. diam vertical hole into top of needle, ¼ in. diam horizontal hole through top of needle; tag fastened by cord to groove in bottom of insulating grip). P/o ref A-405.	Carries hydrogen from generator to balloon	N16-N-600001 102 R16KP-23698			Government Furnished	23698
A-407	BALLOON, KITE: Sig C Balloon M-278-A; Antenna lifting; gray; deflated diam 6-¾ in; inflated diam 4 feet; neck 15/16 in. OD x 11/32 in. ID x 1-⅝ in. lg; (spherical; with 2 cord loops 3-¾ in lg for attaching antenna; rubber cork stopper tied to neck; packed in steel can 4-¼ in. diam x 5-⅛ in. lg with key and tongue on 1 end).	Raises and supports antenna	#2A299-278A F16-B-120021-102 R16B1400			Dewey-Almy Chemical M-278-A	23709

* Not furnished as a maintenance part to Bureau of Ships activities. If failure occurs, do not request replacement unless the item cannot be repaired or fabricated.

TABLE OF REPLACEABLE PARTS

Symbol Designation	Name and Description of Part	Function	Navy Aero Signal Corps & Standard Navy Stock Numbers	Jan-Designation	All Symbols Involved	Mfr's. Part Number	Contractor's Part/Dwg. Number
A-408	LIGHT, EXTENSION: Sig C Signal Lamp M-308-B; molded tenite base, molded clear polystyrene shield. bulb, spare bulb, cord and plug and olive drab cotton web strap; 28 v. 170 ma DC; 2-15/16 in. h x 2-3/16 in. diam, with 96 in. lg cord, and 36 in. lg strap attached; (designed to be strapped to top of head; packed in cardboard container 3 in. diam x 3-⅛ in h). Includes ref A-409 and E-401.	Visual signaling	#6B698B F17-L-76051-3233 R17L12932-360				23382
A-409	LENS, INDICATOR LIGHT: molded clear polystyrene; 2-1/16 in. OD x 1.80 in. ID x 1.525 in. h; (¼ in. of base threaded 2-1/16 in.-14, class 2 fit). P/o ref A-408.	Protects signal lamp	N17-L-250216-595				22985
C-101	CAPACITOR, FIXED, MICA DIELECTRIC: 3000 mmf ± 5%; 500 vdcw; 53/64 in. max lg x 53/ 64 in. max wd x 9/32 in max thk; (molded bakelite case; 2 wire leads 1-⅛ in. min lg).	Audio osc tuning	N16-C-32193-2480	JAN type #CM30A302J	C-101,C-102 C-104	Cornell-Dubilier CM30A302J	23459
C-102	Same as ref C-101.	Audio osc plate blocking					23459
C-103	CAPACITOR, FIXED, MICA DIELECTRIC: 1500 mmf ± 10%; 500 vdcw; 53/64 in. max lg x 53/64 in. max wd x 9/32 in. max thk; (molded bakelite case; 2 wire leads 1⅛ in. min lg).	Audio osc feedback	N16-C-31512-4559	JAN type #CM30A 152K		Cornell-Dubilier CM30A152K	22558
C-104	Same as ref C-101.	Audio interstage coupling					23459
C-105	CAPACITOR, FIXED, MICA DIELECTRIC: 1000 mmf ± 20%; 500 vdcw; 53/64 in. max lg x 53/64 in. max wd x 9/32 in max thk; (molded bakelite case; 2 wire leads 1-⅛ in. min lg).	Audio amplr to RF osc coupling	N16-C-31095-6639	JAN type #CM30A 102M		Micamold CM30A102M	22557
C-106	CAPACITOR, FIXED, MICA DIELECTRIC: 470 mmf ± 10%; 500 vdcw; 51/64 in. max lg x 15/32 in. max wd x 7/32 in max thk; (molded bakelite case; 2 wire leads 1-⅛ in. min lg).	RF grid blocking	N16-C-30114-4271	JAN type #CM20A471K		Micamold CM20A471K	23460
C-107	CAPACITOR, FIXED, MICA DIELECTRIC: 3000 mmf ± 5%; 500 vdcw; 53/64 in. max lg x 53/64 in. max wd x 11/32 in. max thk; (molded bakelite case; 2 wire leads 1-⅛ in. min lg). P/o ref Z-101; cannot be replaced independently.	RF osc grid coil tuning	N16-C-32193-2538 R-16C-10326-27	JAN type #CM35D302J		Sickles CM354302J	22561
C-108	CAPACITOR, FIXED, MICA DIELECTRIC: 3900 mmf ± 5%; 500 vdcw; 53/64 in. max lg x 53/64 in. max wd x 11/32 in. max thk; (molded bakelite case; 2 wire leads 1-⅛ in. min lg). P/o ref Z-101; cannot be replaced independently.	RF osc grid coil tuning	N16-C-32430 6138	JAN type #CM35D392J	C-108-C109	Sickles CM35D302J	22563

* Not furnished as a maintenance part to Bureau of Ships activities. If failure occurs, do not request replacement unless the item cannot be repaired or fabricated.

TABLE OF REPLACEABLE PARTS

Symbol Designation	Name and Description of Part	Function	Navy Aero Signal Corps & Standard Navy Stock Numbers	Jan-Designation	All Symbols Involved	Mfr's. Part Number	Contractor's Part/Dwg. Number
C-109	Same as ref C-108. P/o ref Z-101; cannot be replaced independently.	RF osc grid coil tuning		JAN type #CM35D329J		Sickles CM35D329J	22563
C-110	CAPACITOR, FIXED, MICA DIELECTRIC: 300 mmf ± 5%; 500 vdcw; 51/64 in. max lg x 15/32 in. max wd x 7/32 in. max thk; (molded bakelite case; 2 wire leads 1-⅛ in. min lg).	RF osc cathode by-pass	N16-C-29660-9001	JAN type #CM20C301J		Micamold CM20C301J	23322
C-111	CAPACITOR, FIXED, MICA DIELECTRIC: 1000 mmf ± 10%; 2500 vdcw; 1-⅝ in. ± 1/64 in. lg x 1-⅛ in. ± 1/64 in. wd x 23/64 in. max thk; (molded bakelite case; 2 insulated solder lug terminals on ends with 1-¾ in ± 1/32 in. centers; 2 mtg feet with 0.144 in. diam holes on 1.314 in. centers).	RF osc screen by-pass	N16-C-31091-6114	JAN type #CM45B102K	C-111,C-112, C-113	Cornell Dubilier CM45B102K	23279
C-112	Same as ref C-111.	RF osc plate supply by-pass					23279
C-113	Same as ref C-111.	RF plate blocking					23279
C-114	CAPACITOR, FIXED, MICA DIELECTRIC: 150 mmf ± 5%; 2500 vdcw; 1-⅝ in. ± 1/64 in. lg x 1-⅛ in. ± 1/64 in wd x 23/64 in max thk; (molded bakelite case; 2 insulated solder lug terminals on ends with 1-¾ in. ± 1/32 in centers; 2 mtg feet with 0.144 in. diam holes on 1.314 in centers).	Ant fixed tuning for 500 kc	N16-C-28976-3636	JAN type #CM45B151J		Cornell Dubilier CM45B151J	23280
C-115	CAPACITOR, VARIABLE, AIR DIELECTRIC: 6.0 to 73.2 mmf; 0.020 in. max air gap; 1-9/16 in. lg x 15/16 in. wd x 1-7/32 in. h; (25 plates; ceramic insulation; 2 mtg holes tapped #4-40 on 21/32 in. mtg/c).	Ant variable tuning for 500 kc	N16-C-60186-1462 R16C11922-200			All Star Products K-77-J	23323
C-116	CAPACITOR, VARIABLE, AIR DIELECTRIC: 4.5 to 43.7 mmf; 0.020 in. max air gap; 1-19/32 in. lg x 15/16 in. wd x 1-7/32 in. h; (15 plates, ceramic insulation; 2 mtg holes tapped #4-40 on 21/32 in. mtg/c).	Ant variable tuning for 8280 kc	N16-C-59564 5960 R16C11914-2			All Star Products K-44-J	23282
C-201	CAPACITOR, FIXED, ELECTROLYTIC: 8 mf; 450 vdcw; 1-11/16 in. lg x 13/16 in. diam; (aluminum can enclosed in cardboard case; hermetically sealed; cardboard case treated with approved fungus resistant wax or fungicidal varnish; 2 tinned copper wire leads 2-½ in. lg). Mounts on E-204.	HV filter	N16-C-19543-6776			Magnavox part #12D3462, treated w/ fungicidal lacquer by KPC	22560
E-101	LAMP, INCANDESCENT: Sig C Lamp LM-52, Navy Lamp TB-14; 6 to 8 v, 0.15 amp; T-3-¼ clear; 1-3/16 in lg overall; miniature bayonet base; (C-6 filament; burn any position).	RF indicator	2Z5952 N17-L-6297			GE part #47	25205

* Not furnished as a maintenance part to Bureau of Ships activities. If failure occurs, do not request replacement unless the item cannot be repaired or fabricated.

TABLE OF REPLACEABLE PARTS

Symbol Designation	Name and Description of Part	Function	Navy Aero Signal Corps & Standard Navy Stock Numbers	Jan-Designation	All Symbols Involved	Mfr's. Part Number	Contractor's Part/Dwg. Number
E-102	TERMINAL BOARD: 1solder-lug terminal; phenolic; 1-15/32 in. lg x 1-¼ in. wd x ⅛ in. thk overall; (one 0.152 in. mtg hole). Located ½ in. from end and 15/64 from side.	Term point for ref C-105	N17-B-77484-2471 *				23286
E-103	TERMINAL BOARD: 4 solder-lug terminals; phenolic; 1-11/32 in. lg x 13/16 in. wd x 9/16 in. thk overall; (one 0.152 in. mtg hole).	Mtg for ref C-101 and C-102	N17-B-77634 4385 *				23277
E-104	TERMINAL BOARD: 8 solder-lug terminals; phenolic; 1-¾ in. lg x 1-11/32 in. wd x 9/16 in. thk overall; (two 0.152 in. mtg holes on 1-⅛ in. centers).	Mtg for ref C-103, C-104, R-102, and R-107	N17-B-77835-2531 * R17KP-23380				23380
E-105	CONTACT, ELECTRICAL: 1-3/16 in. lg x 1 in. diam; (2 insulated inserts used both as terminals and push-button contacts; 1 insert mtd in center, other mtd 9/32 in. from centetr; insulating material black phenolic; body threaded #1 in-20). Used with E-106, H-105, Q-101 to complete Reg ref S-102.	Contacts for push-button key	N17-C-80417-4245 R16C30350-7				22782
E-106	CONTACT, ELECTRICAL: brass; silver-plated; 7/16 in. lg x 21/32 in. diam. Used with E-105, H-105, Q-101 to complete ref S-102.	Plunger of push-button key	#2Z1480.32 N17-C-80397-9307 *				22787
E-107	KNOB, bar: molded black phenolic; for ¼ in. shaft diam; one #8-32 set-screw; groove on pointer end filled with white and painted with radio-active paint; 1-¼ in. x ⅝ in. x 9/16 in.; (brass insert; shaft hole 7/16 in. d; coated with fungicidal lacquer). Including set screw.	Selector sw knob	N16-K-700075-441 R16K3354-450				23325-23722
E-108	INSULATOR FEEDTHRU: round threaded tube with lug in one end; black bakelite; 1-13/32 in. lg overall; (0.139 in. ID tapering to 0.129 in. ID; 7/16 in.-20 threads for ⅜ in. at center). Including gasket.	Ant lead-in insulator	N17-I-59611-5101 R16I6027-500				22796-22781
E-201	LAMP, INCANDESCENT: Sig C Lamp LM-49; 28 v 0.1 amp; T-3-¼ clear; 1-3/16 in. lg overall; miniature bayonet base; S-2 filament; burn any position).	Gen speed indicator	#2Z5949 N17-L-6505-625		E-201, E-202	GE part #1820	22801
E-202	Same as ref E-201.	Gen speed indicator					22801
E-203 A/B	CONTACT, ASSEMBLY; DPST; 2 phospor bronze fingers and 2 mating contact strips assembled with spacers, screws, nuts, and washers; ⅛ in. diam silver contacts on both fingers and contact strips; adjustable screw stops; 2-1/16 in. x 25/32 in. x 23/32 in. overall; (4 solder-lug terminals at end). P/o ref O-202.		N17-C-84091-1080 R16C30350-5				23356
E-203A	P/o ref E-203 A/B.	Automatic RF osc keying					23356
E-203B	P/o ref E-203A/B.	Automatic freq changing					23356

* Not furnished as a maintenance part to Bureau of Ships activities. If failure occurs. do not request replacement unless the item cannot be repaired or fabricated.

TABLE OF REPLACEABLE PARTS

Symbol Designation	Name and Description of Part	Function	Navy Aero Signal Corps & Standard Navy Stock Numbers	Jan-Designation	All Symbols Involved	Mfr's. Part Number	Contractor's Part/Dwg. Number
E-203C	CAM, CODE: die-cast zinc; 3in. diam x 5/16 in. h; (one half of rim coded with 6 SOS sequences, other half coded with single long dash; 0.187 in. diam mtg hole in center; two 0.187 in. alignment holes in long dash half). P/o ref O-202.	Automatic keying	N16-C-125001-259 R16KP-23351				23351
E-203D	CAM: die-cast zinc; half wheel 3 in. diam x 3/16 in. h; (o.500 in. diam mtg hole in center; two 0.187 in. alignment holes corresponding in position to similar holes in ref E-203C). P/o ref O-202.	Automatic freq. changing	N16-C-125001-297 R16KP-23352				23352
E-204	POWER SUPPLY, SUB- ASSEMBLY: 7 solder-lug term, 1 condenser, 1 relay, 1 resistor; phenolic board 2-5/16 in. x 2-1/4 in. x 3/32 in. thk attached by 2 rivets in 0.140 in. diam holes to steel bracket 3-5/16 in. lg x 1-9/16 in. wd x 0.064 in. thk bent to form 60 deg angle with phenolic board; (two 0.177 in. diam mtg holes on 1-3/8 in. centers in edge of bracket to mount assem to gen). Includes ref C-201, K-201, and R-201.	Filtering and voltage regulation	N17-B-77686-8312 * R16KP-23314				23314
E-205	BRUSH, ELECTRICAL CONTACT: pos LV; brush material MC grade carbon; metal graphite brush 0.262 in x 0.189 in. x 7/16 in. lg spring 1 in. shunt #29 AWG extra flexible (stamped "+" on one side of brush; U-shaped type-A cap). P/o ref G-201.	Gen brush	#3H1528.2/B7 N17-B-86641-8347 R16B12207				22908
E-205A	BRUSH SET, ELECTRICAL CONTACT: consists of 1-E205 and 1-E 206. P/o ref G-101.	Set (2) gen brushes LV	N17-B-88403-6313				22908 22907
E-206	BRUSH, ELECTRICAL: neg LV; brush material MC grade carbon: brush 0.262 in x 0.189 in x 7/16 in. lg, spring 1 in. stamped "—" on one side of brush; U-shaped type-A cap). P/o ref G-201.	Gen brush	#3H1528.2/B7 N17-B-88403-5891 R16B12207				22907
E-207	BRUSH, ELECTRICAL: pos HV; brush material CMC grade carbon; brush 0.278 in. x 0.091 in. x 7/16 in. lg, spring 1 in. (stamped "+" on one side of brush; U-shaped type-A cap). P/o ref G-201.	Gen brush	#3H1528.2/B6 N17-B-88403-2286 R16B12207-25				22906
E-207A	BRUSH SET, ELECTRICAL CONTACT: consists of 1-E-207 and 1-E-208. P/o ref G-101.	Set gen (2) brushes HV	N17-B-88403-1772				22906 22905
E-208	BRUSH, ELECTRICAL; neg HV; material CMC grade carbon; brush 0.278 in. x 0.091 in. x 7/16 in. lg, spring 1 in. (stamped "—" on one side of brush; U-shaped type-A cap). P/o ref G-201.	Gen brush	#3H1528.2/B6 N17-B-88403-2286 R16B12207-25				22905

* Not furnished as a maintenance part to Bureau of Ships activities. If failure occurs, do not request replacement unless the item cannot be repaired or fabricated.

TABLE OF REPLACEABLE PARTS

Symbol Designation	Name and Description of Part	Function	Navy Aero Signal Corps & Standard Navy Stock Numbers	Jan-Designation	All Symbols Involved	Mfr's. Part Number	Contractor's Part/Dwg. Number
E-301	ANTENNA, kite or balloon supported: Army-Navy Antenna Assembly AT-207/CRT-3; cadmium-copper alloy wire, Sig C Antenna Wire W-147, with addition of fastenings; 16 strands 306 feet lg x 0.040 in. max diam; 65 lb test; (cadmium-plated steel thimble on each end of ant; one thimble attached to nylon cord 106 in. lg folded to give lg of 43 in., w/instruction tag attached to loop; other thimble attached to waterproof nylon cord 18 in. lg w/ swivel on end). P/o ref O-302. Single wire trailing.	RF radiation	#(for spare see ref E-402) N16-A-49924-4221				23301
E-401	LAMP, INCANDESCENT: Sig C Lamp LM-58-A; 24 v, 170 ma; bulb T-3 clear, 1-¼ in. lg overall; miniature screw base; (C-2V filament; burn any position). P/o ref A-408.	Visual signal	#2Z5958A N17-L-6543-0015			GE part #1477	22767
E-402	ANTENNA: spare kite or balloon supported; spare Army-Navy Antenna Assembly AS-207/CRT-3, ref E-301, wound on phenolic spool 1-¼ in. thick x 3-¼ diam.	Spare for ref E-301	2A264-207 N16-A-49924-4226 R16AN-AS 207CRT3				23315
G-201	GENERATOR, DIRECT CURRENT: 17 w; 300 v and 28 v, 5 wire; open frame; shaft 5 in. x ⅜ in. at widest point; 5-5/32 in. lg x 3-¼ in diam; (5000 rpm; manual drive; self-excited; fixed mtg base; 3 mtg holes for #8 screws equally spaced about 3 in. circle). Includes ref E-205 through E-210 and ref O-206.	HV and LV power supply	3H1528.2 N17-G-59751-7379 R16KP-22520			Electro Engineering Products #KPC-G1	22520
H-101	CLIP, ELECTRICAL: phosphor bronze; cadmium-plated; two 0.141 in. diam holes for rivets on 1 in. mtg/c; 1-3/32 in. x 1-5/16 in x 25/32 in. overall; (accomodates Bendix #450169 connector). Holds ref J-201.	Holds ref J-201	N17-C-813759-101 *				22534
H-102	CLIP, ELECTRICAL: spring bronze; cadmium-plated; one .152 in. diam insulated mtg hole; 1-5/16 in. lg x 15/16 in. wd with 15/32 in. mtg. leg at one end and 21/32 in. clamp leg at other end, attached to bakelite board; (accommodates Army-Navy Crystal CR-1A/AR).	Holds xtal in place	N17-C-813772-552 *				23657
H-103	CLAMP, ELECTRICAL: antenna lead-in: phosphor bronze clamp with copper wire attached; clamp cadmium-plated; clamp 1-13/32 in. lg x ½ in. wd x ¼ in. thk overall, wire reaches 50 in. beyond end of clamp; (resigned to hold wire 0.040 in. diam).	Antenna lead-in	N17-C-782618-151 *				23711
H-104	SPRING, SHAFT PACKING: coil; 0.055 in. diam music wire; cadmium-plated; 11/16 in. lg x 7/16 in. diam. Used with ref S-101.	Holds washer and gasket in place on sw shaft	#2Z5042-16 N17-S-46651-1017 *				22901

* Not furnished as a maintenance part to Bureau of Ships activities. If failure occurs, do not request replacement unless the item cannot be repaired or fabricated.

TABLE OF REPLACEABLE PARTS

Symbol Designation	Name and Description of Part	Function	Navy Aero Signal Corps & Standard Navy Stock Numbers	Jan-Designation	All Symbols Involved	Mfr's. Part Number	Contractor's Part/Dwg. Number
H-105	SPRING, PUSH-BUTTON: 0.031 in. diam music wire; silver-plated; 1-15/32 in. lg x 5/8 in. OD; (8 coils tapering from 5/8 in. OD to 27/64 in. ID; 7 active coils; coil length 3/4 in; straight end from large end of coil extends 23/32 in.). Used with E-105, E-106, Q-101 to complete S-102.	Keeps push-button cont open	#2Z8876.37 N17-S-46651-1030 R16S8455-500				22786
H-106	SPRING, TUBE RETAINER: 0.051 in. diam music wire; cadmium-plated; 1 in. diam x 1-7/16 in lg overall; (one end of coil 61/64 in. ID, other end 9/16 in. ID). Used with ref V-101, V-102.	Holds tube in socket	#2Z7780-9 N17-S-46651-1028 R16KP-22536				22536
H-107	BOLT, MACHINE: hex head; brass, cadmium-plated; 1/4 in.-20; 13/16 in. lg overall, 5/8 in. lg thd; hex 7/16 in. across flats, 3/16 in. thk hd; 0.113 in. diam hole drilled 11/32 in d through head of screw and tapped #6-32 1/4 in. d).	Gnd term	#6L20924-13-.81CS N43-B-99500-111 *				23076
H-108	WASHER, flat: brass, cadmium-plated; 17/64 in. ID x 0.495 in. OD x 1/32 in thk. Used with ref S-101.	Retains gaskets on selector sw shaft	N43-W-3041-1625 *				22887
H-109	NUT, PLAIN, HEXAGON: brass; 5/8 in.-24; 1/8 in. thk; 1 in. wd across flats. Used with ref J-101	Secures ref J-101	#6LK3510-24.1 N43-N-99500-171 R16N2150-500		H-109 H-311		22531
H-201	NUT, PLAIN, HEXAGON: brass; 1/2 in.-27; 3/32 in. thk; 3/4 in. wd across flats. Used with O-202.	Nut for ref O-202	N43-N-99500-224 * R43N-25075				23355
H-301	GASKET, SYNTHETIC RUBBER: neoprene; 9-3/4 in. lg x 9-1/8 in. wd x 7/64 in. thk overall; (16 holes 0.170 in. diam; holes located at 2 in. intervals around gasket).	Water seal between cabinet and panel	N17-G-150764 902 R16PDI-450232				22775
H-302	GASKET, VELLUMOID: 1-19/32 in. OD x 1-1/4 in. ID x 1/32 in. thk.	Crank bushing water seal	#2C6596-778A/G3 N17-G-161446-179				22521
H-304	GASKET, VELLUMOID: 5-1/2 in. lg x 4-5/8 in. wd x 1/32 in. thk overall; (four 0.213 in. diam holes arranged in trapezoid: 1-1/4 in. diam hole for crank bushing).	Gear housing water seal	#2C6596-778/G8 N17-G-156375-543				22658
H-305	GASKET, SYNTHETIC RUBBER: neoprene 1 in. OD x 5/8 in. ID x 0.045 in. thk. Used with I-301.	Water seal for windows	N17-G-161141-356 R16PDI-450135				23468
H-306	GASKET, SYNTHETIC RUBBER: neoprene; 1-13/64 in. diam x .050 in. thk. P/o A-305.	Crank cap water seal	#2C6596-778A/G10 * N17-G-161243-538				23019
H-307	WRENCH: 6-3/4 in. lg x 2-1/2 in. wd x 0.064 in. thk; 2-1/16 in. diam opening one end, with flange to fit crank cap; 1-3/8 in. diam opening other end, with flange to fit ground cap; 1-5/16 in. lg x 1/2 in. opening in side to fit brake wheel; (aluminum alloy; handle tapers from 2-1/2 in. at widest end). Stamped with instructions.	Loosens crank cap, ground cap, and brake	2SK578/W1 N17-W-920001 171 R16W4674-75				23037

* Not furnished as a maintenance part to Bureau of Ships activities. If failure occurs, do not request replacement unless the item cannot be repaired or fabricated.

TABLE OF REPLACEABLE PARTS

Symbol Designation	Name and Description of Part	Function	Navy Aero Signal Corps & Standard Navy Stock Numbers	Jan-Designation	All Symbols Involved	Mfr's. Part Number	Contractor's Part/Dwg. Number
H-308	PIN, SAFETY: music wire; cadmium-plated; .0625 in. diam; 2-5/32 in. lg x 11/16 in. wd x 1/4 in thk overall.	Holds crank in well	#6LK3919 N42-P-11673 250 *				22858
H-309	PIN, HINGE: steel wire; cadmium-plated 5-1/4 in. lg x 3/8 in. wd x .160 in. thk overall; (7-1/4 in. lg x 0.080 in. diam wire bent at one end to form spring loop; heat treated under pressure per AN-QQ-H201).	Fastens belt to cabinet	#6L3941-85C N16-P-312501-113				23092
H-311	Same as ref H-109.	Secures windows			H-109,H-311		22531
H-313	NUT, PLAIN, ROUND: cadmium-plated steel; 1-1/4 in.-18; 1/8 in. thk; 1-5/8 in. OD; (2 slots 3/32 in. d x 3/16 in. wd on opposite ends of center line).	Secures crank bushing	#6L2800-18.3 N43-N-9633-4320 R16N2245				22501
I-301	LENS, INDICATOR LIGHT: molded lucite; 1 in. diam x 17/32 in. lg overall; (body diam 5/8 in., 17/64 in. threaded 5/8 in.-24; rim projects 3/16 in beyond body to hold window in cabinet. Including retaining nut.	Makes indicator light visible externally	N17-L-250197-649 R16W3177				23333-22531
J-101	CONNECTOR, RECEPTACLE: 2 round female cont; straight; 13/16 in. lg x 7/8 in. diam overall; designed for 28 v, 170 ma; cylindrical bakelite body with extended rim: cadmium-plated brass inserts with solder-lug term at rear; body thd 5/8 in.-24; body lettered "SIGNAL LAMP SOCKET)." Including gasket.	Jack for signal light plug	N17-C-73126-5249 R17H5974-137				22506-22524
J-102	LAMPHOLDER: miniature bayonet; steel shell and bracket; 1-5/8 in x 1-1/4 in. x 1-3/16 in. overall; (designed for 6-8 v, 0.15 amp; one 0.144 in. diam hole, and one 0.114 in. diam hole threaded #6-32; solder-lug at base of shell).	Holds ref E-101	N17-L-51629-7118 R17H5985-20				23266
J-201	CONNECTOR, RECEPTACLE: 6 flat parallel cont; straight; 1 in. x 11/16 in. x 1-3/8 in. overall; (5 amp, 45 v; formed metal cap with cadmium finish; cable opening 3/8 in. diam; cable clamp attached; phenolic parts impregnated with bakelite and coated with fungicidal lacquer).	Connects power supply and keying assem to audio and RF sect	N17-C-71224-1370			Jones HB part #S-306-CCT	22575
J-202	LAMPHOLDER ASSEMBLY: assem of 2 miniature bayonet lampholders on bracket; lampholders have steel shells; 1-5/8 in. x 1-3/16 in. x 15/16 in. including bracket; lampholder 3/8 in. ID; (one 0.144 in. diam mtg. hole in end of bracket; 2 solder lugs, one at base of each lampholder).	Holds ref E-201 and E-202	N17-L-52201-1026 R16PDI-450238				23377
K-101	RELAY, ARMATURE, general purpose: DPDT; 1-13/16 in. lg x 1-1/4 in. wd x 1-5/8 in. h overall; (3/32 in. diam cont; cont designed for 330 v, 4 ma DC, or for 2-1/2 w RF; multiple wound coil, 8-9 v DC, 0.056 amp, 250 ohms; fast acting; coil varnish impregnated and tropicalized; all phenolic parts tropicalized; single mtg stud threaded #6-32).		N17-R-64840-7001 R16R5042-150		K-101 K-102	Potter Brumfield KR-1479-1	23283

* Not furnished as a maintenance part to Bureau of Ships activities. If failure occurs, do not request replacement unless the item cannot be repaired or fabricated.

TABLE OF REPLACEABLE PARTS

Symbol Designation	Name and Description of Part	Function	Navy Aero Signal Corps & Standard Navy Stock Numbers	Jan-Designation	All Symbols Involved	Mfr's. Part Number	Contractor's Part/Dwg. Number
K-101A	P/o ref K-101.	Selection of RF osc grid ckt					
K-101B	P/o ref K-101.	Supplying of HV to audio section for 500 kc operation					
K-102	Same as ref K-101.						23283
K-102A	P/o ref K-102.	Selection of plate tank ckt					
K-102B	P/o ref K-102.	Ant transfer					
K-201	RELAY,ARMATURE, general purpose: SPDT; 1-¾ in. lg x 1-5/16 in. wd x 1-⅝ in. h; (⅛ in. silver contacts; contact rating 200 watts; multiple wound coil, rated 32 v DC at 0.032 amp, 1000 ohms; fast acting; coil varnish impregnated and coated with fungicidal lacquer; all bakelite parts coated with fungicidal lacquer; #6-32 stud and extruded boss on 7/16 in. mtg/c). P/o ref E-204.	Voltage regulation	N17-R-64933-4168 R16R4895			Potter Brumfield KR-1478-1	22663
L-101	COIL ASSEMBLY, radio, RF: osc; integral type; 2 pie; shielded only by chassis; 2-5/16 in. lg x 1-⅜ in. wd x 2 in. h overall; (black plastic solid form; form 0.375 in. diam x 1-⅛ in. lg with rectangular base 2-5/16 in. lg x 1-⅜ in. wd; adjusted at assembly by changing relative positions of pies, adjusted at final assembly by adjusting iron screw in center of form; two 0.151 in. diam mtg holes on 2 in centers in base; 4 solder lug terminals on base; coil varnished and baked). P/o ref Z-101; cannot be replaced independently.	500 ks osc grid coil					
L-102	COIL, RADIO FREQUENCY: choke; integral type; single pie; unshielded; 2.35 mh; 19/32 lg x 1-⅛ in. diam excluding terminals; (ceramic core; core ½ in. diam x 19/32 in. lg; 3/16 in. diam axial mtg hole; 2 solder-lug term on bottom; varnish-impregnated and baked in).	RF osc cathode choke	N17-C-74615-7806 R16C21465-550				23461
L-103	COIL, RADIO FREQUENCY: integral type; five pie; unshielded; 2.5 mh at 1000 KC; 1-7/16 in. lg x ⅝ in. max diam excluding leads; (ceramic core; core 7/16 in. diam x 1-7/16 in. lg; two 1 in. leads serve both for term and for mtg; varnish-impregnated and baked; coated with fungicidal lacquer).	RF osc plate choke	N16-C-74754-9361 R16C21465-560				23318

* Not furnished as a maintenance part to Bureau of Ships activities. If failure occurs, do not request replacement unless the item cannot be repaired or fabricated.

TABLE OF REPLACEABLE PARTS

Symbol Designation	Name and Description of Part	Function	Navy Aero Signal Corps & Standard Navy Stock Numbers	Jan-Designation	All Symbols Involved	Mfr's. Part Number	Contractor's Part/Dwg. Number
L-104	COIL, RADIO FREQUENCY: integral type; 3 windings, one single pie universal wound, other two single layer wound; 47, 2, and 5 turns respectively; 2-⅛ in. lg x 1-¾ in. diam overall; (bakelite form, air core; form 1-¾ in. lg x 1-5/16 in. OD; mtg base in end w/ two 0.152 in. holes on ⅝ in. mtg/c; 4 lug term; form and base coated w/ fungicidal lacquer).		3C323-150B N16-C-72666-1571 R16KP-23316				23316
L-104A	P/o ref L-104.	Plate tank coil for 500 kc					
L-104B	P/o ref L-104.	RF indicator coupling loop					
L-104C	P/o ref L-104.	Neutralizing coil					
L-105	TRANSFORMER, R. F.: integral type; 3 windings, all single layer wound; unshielded; 12, 3-½, and 1.25 turns respectively; 3-1/16 in. lg x 1-⅜ in. diam overall; (bakelite-impregnated form, air core; form 2-11/16 in. lg x 1-5/16 in. OD; mtg base in end w/ two 0.152 in. holes on ⅝ in. mtg/c; 5 lug term; form and base coated w/ fungicidal lacquer).		3C323-150A N17-T-82061-5001 R16KP-23317				23317
L-105A	P/o ref L-105.	Plate tank for 8280 kc					
L-105B	P/o ref L-105.	Ant coupling coil					
L-105C	P/o ref L-105.	RF indicator coupling loop					
O-201	GEAR CASE: assembly of 4 gears completely enclosed in gearcase divided into halves; gen drive operated from manual crank 6-¼ in. lg x 5-⅛ in. wd x 1-½ in. thk; mtd to cabinet by 4 #10-32 screws and collett nut fitting over bushing threaded 1-¼ in.-18; (main driving gear shaft located inside bushing; sq socket for manual crank in bushing end of shaft; slot-type socket for tongue of governor gear train assem at opposite end of shaft).	Gen drive gear train	N17-G-43868-8021 R16KP-23631				23631
O-202	KEYER: gear reduction unit with code cam and freq changing cam attached; 6-¼ in x 4 in. x 1-¾ in. overall; (3 mtg holes for #6-32 thrd screws arranged irregularly; tongue on gear #1 fits slot-type socket in ref 0-201). Includes ref E-203A/B, E-203C, and E-203D.	Automatic keying and automatic frequency changing	3Z4875-89 N16-K-47674-6626 * R16KP-23409				23409

* Not furnished as a maintenance part to Bureau of Ships activities. If failure occurs, do not request replacement unless the item cannot be repaired or fabricated.

TABLE OF REPLACEABLE PARTS

Symbol Designation	Name and Description of Part	Function	Navy Aero Signal Corps & Standard Navy Stock Numbers	Jan-Designation	All Symbols Involved	Mfr's. Part Number	Contractor's Part/Dwg. Number
O-203	GEAR ASSEMBLY, KEYER: assembly of 8 gears between aluminum plates; 6-¼ in. x 2-⅜ in. x 1-¾ in. overall; (3 mtg holes for #6 screws arranged irregularly; tongue on gear #1 fits slot-type socket in ref O-201). P/o ref 0-202.	Keyer drive gear train	N16-K-47669-5517 R16KP-23357				23357
O-206	ELECTRICAL BRUSH HOLDER CAP: black molded bakelite; 9/16 in. diam x 5/16 in. h; (bore 0.344 in. diam x 11/64 deep, tapped ⅜ in. -32 NS-3; straight fine knurl; 5/16 in. x 1/16 in. groove in top for screw driver). P/o ref G-201.	Holds brush in place	3H1528-7/C1 N17-C-200543-768 R16C4515				23628
O-301	CRANK, HAND: Sig C hand Crank GC-18-A; assem of steel L- shaped frame with black plastic rotating hand grip on shorter leg, ratchet, ratchet pawl, pawl spring, and hub screw; all metal parts cadmium-plated; (ratchet and ratchet pawl enclosed within arm permit application of force clockwise only; finger-operated hub screw locks projection on crank to socket in main driving gear shaft; cord attached to frame to fasten crank to cabinet). 6-5/32 in. lg x 1-1/16 in. wd x 4-¼ in. thk.	Application of power	#4B462A N16-C-920001-136 R16C38440				23321-22794
O-302	ANTENNA AND DOOR ASSEMBLY: kite or balloon supported: cir door w/Sig C Reel RL-48 attached, and Army-Navy Antenna Assembly AS-207/CRT-3 wound on reel; 3-¼ in diam x 1¼ in thk overall; (pin-hinged door; cotter-pin bolt attached by chain; reel fixed to back of door by axial rivet; collapsible handle on reel; brake handle on front of door; raised lettering on front of door "Open for Antenna," "Brake," and "Lock Open" with accompanying indicating arrows: hinge holes 0.149 in. diam; latch hole 0.141 in. diam; lock-open holes 0.136 in. diam). Includes ref E-301.	Provides and mounts ant	N16-A-49924-4201 R16KP-23308				23308
P-101	CONNECTOR, RECEPTACLE: 6 flat parallel blades; straight; 1-11/32 in. x 1-3/16 in. x 1-1/16 in. overall; (5 amp, 45 v; molded bakelite body; two 0.149 in. diam mtg holes on 1 in. centers; laminated phenolic parts impregnated with bakelite and coated with fungicidal lacquer).	Connects audio and RF sect to power supply and keying assem	N17-C-73517-5483			Jones HB part #P-306-AB	22576
Q-101	COVER: neoprene; 59/64 in. diam x ¼ in. thk, depression 17/32 in. diam x 9/32 in. deep; (washer thermo-welded to brim). u/w E-105, E-106, H-105 to complete Key ref S-102.	Water seal for push-button key	#3ZK3618/D1 N17-C-945001-926 R16KP-22780				22780
R-101	RESISTOR, FIXED, COMPOSITION: 1000 ohms ±10%; ½ w; 0.406 in. max lg x 0.175 in. max diam; (bakelite insulation; 2 axial wire leads 1-½ in. lg).	Cathode bias for ref V-101	N16-R-49922-710	JAN type #RC20AF-102K		Stackpole Carbon Co.	22567

* Not furnished as a maintenance part to Bureau of Ships activities. If failure occurs, do not request replacement unless the item cannot be repaired or fabricated.

TABLE OF REPLACEABLE PARTS

Symbol Designation	Name and Description of Part	Function	Navy Aero Signal Corps & Standard Navy Stock Numbers	Jan-Designation	All Symbols Involved	Mfr's. Part Number	Contractor's Part/Dwg. Number
R-102	RESISTOR, FIXED COMPOSITION: 47,000 ohms ±10%; ½ w; 0.468 in. max lg x 0.249 in. max diam; (bakelite insulation; 2 axial wire leads 1-½ in. lg).	Audio osc plate load	N16-R-50480-692	JAN type #RC20AF-473K	R-102, R-103	IRC BTS	23465
R-103	Same as ref R-102.	Audio amplr grid leak				IRC BTS	23465
R-104	RESISTOR, FIXED COMPOSITION: 100,000 ohms ±10%; ½ w; 0.468 in. max lg x 0.249 in. max diam; (bakelite insulation; 2 axial wire leads 1-½ in. lg).	Audio amplr plate load	N16-R-50633-781	JAN type #RC20AF-104K			22565
R-105	RESISTOR, FIXED COMPOSITION: 33,000 ohms ±10%; ¼ w; 0.406 in. max lg x 0.170 in. max diam; (bakelite insulation; 2 axial wire leads 1-½ in. lg).	RF osc grid leak	N16-R-50417-811	JAN type #RC10AF-333K		Stackpole Carbon Co.	23463
R-106	RESISTOR, FIXED COMPOSITION: 27,000 ohms ±10%; ¼ w; 0.406 in. max lg x 0.170 in. max diam; (bakelite insulation; 2 axial wire leads 1-½ in. lg).	Isolates audio amplr from RF osc	N16-R-50399-461	JAN type #RC10AF-273K		Stackpole Carbon Co.	22462
R-107	RESISTOR, FIXED COMPOSITION: 33,000 ohms ±10%; 1 w; .565 max lg x .250 max diam; (bakelite insulation; 2 axial leads 1-½ in lg).	RF screen dropping	N16-R-50418-201	JAN type #RC30AF-333K		IRC BTA	23464
R-201	Same as ref R-102.	Regulator dropping resistor		JAN type #RC20AF-102K			22567
S-101	SWITCH, ROTARY: 2 wipers, 3 positions; 2 sections; bakelite body; 1-⅞ in x 1-⅞ in x 1-½ in; (designed for 28 v operation; two #5-40 screws project from wafer on 1-9/16 in mtg/c; shaft ¼ in. diam; 8 solder lug term; all bakelite parts varnish-impregnated and coated with fungicidal lacquer). Including gasket.	Selects type of operation	N17-S-59290-8561 R16S-11279-931-300				23379-22781
S-102	This ref symbol is used on the schematic diagram to refer to the function performed by ref E-105 and E-106.	Manual telegraph key					
T-101	TRANSFORMER, AUDIO FREQUENCY: audio osc; pri 78 mh ±15% at 0.825 v RMS, secd 3.2 hy ±15% at 5.2 v RMS, inductances to be measured at 1000 cps; open steel frame; 2 in lg x 1 in. wd x 1-⅛ in h overall: (turns ratio of pri to secd 1:6.3; designed to operate only at fixed freq of 1000 cycles; 4 solder lug term at top; two 5/32 in. diam mtg holes on 1-⅝ in. centers; covered with fungicidal lacquer).	Audio osc transf	N17-T-63384-6601 R16BPD-450398				22743
V-101	ELECTRON TUBE: Sig C Tube VT-268; double triode).	Audio osc and amplr	#2J12SC7 N16-T-58307	JAN type #JAN-12SC7			22629
V-102	ELECTRON TUBE: Sig C Tube VT-134; (beam power).	RF osc	#2J12A6 N16-T-58228	JAN type #JAN-12A6			22630

* Not furnished as a maintenance part to Bureau of Ships activities. If failure occurs, do not request replacement unless the item cannot be repaired or fabricated.

TABLE OF REPLACEABLE PARTS

Symbol Designation	Name and Description of Part	Function	Navy Aero Signal Corps & Standard Navy Stock Numbers	Jan-Designation	All Symbols Involved	Mfr's. Part Number	Contractor's Part/Dwg. Number
W-301	GROUND WIRE ASSEMBLY, bare: 8 feet of Sig C Wire W-147 wound on reel and with lug on one end; cadmium-copper alloy wire; wire 0.040 in. max diam; 12 to 16 strands; (65 lb test; wire wound on H shape metal reel 2-1/4 in. lg x 3/4 in. wd x 1/32 in. thk overall). Used with ref A-304.	Grounds transmitter	#2C6596-778A/A4 N22-W-3550-20 *				23712
X-101	SOCKET, ELECTRON TUBE: standard octal; low-loss mica-filled bakelite; 1-7/8 in. lg x 1-3/16 in. wd x 13/16 in. h overall; (two 0.136 in. diam mtg holes on 1-1/2 in. centers; coated with fungicidal lacquer).	Tube mtg	N16-S-63051-1015			National Fabricator 356LL-7	23332
X-102	SOCKET, CRYSTAL: 2 prong wafer; bakelite; 1-1/2 in. lg x 3/4 in. wd x 5/8 in. h; (two 0.144 in. diam mtg holes on staggered 1-1/8 in. mtg/c).	Mtg for xtal	N16-S-54255-8990 R16S-4403-500				23378
Y-101	CRYSTAL UNIT, QUARTZ: Army-Navy Crystal Unit CR-1A/AR; freq 8280 kc; molded bakelite holder; 1-1/8 in. wd x 1-1/4 in. h x 7/16 in. thk; transmitting; (two 5/8 in. lg x 1/8 in. diam pin terminals spaced 1/2 in. to c to c).	Determines freq of transmitter in high range	N16-C-97285-4101			Bliley Electric Co. CR-1A/AR	23285
Z-101	COIL, RADIO FREQUENCY: 2-5/16 in. lg x 1-3/8 in. wd x 2-5/16 in. h overall; (adjusted by means of brass screw in center of form; two 0.151 in. diam mtg holes on 2 in. centers in base; 4 solder-lug term on base; complete assembly varnished and baked). Includes ref C-107, C-108, C-109, and L-101.	500 kc osc grid tank	N16-O-66002-9271 R16C21447				22837
	Part of E 108 GASKET		R33P492-630				22781
	Part of J 101 GASKET		R17G369				22524
	Part of A 304 GASKET		R33MS-29513-116				22525
	Part of A 305 GASKET		R16KP-23019				23019
	Part of O 301 RING, RETAINING		R16KP-22794				22794
H-102-1	CLAMP ASSEMBLY, Crystal: ceramic socket, 3-13 mmf variable capacitor phosphor bronze clamp, 2 bakelite wafers, wiring and two 1/8" male contact pins 5/8" long .486" c to c. 1-15/16" x 1 3/8" x 1 1/2" overall, replaceable unit, socket to accomodate crystal unit CR-18/U.						KP-23820
Y-101-1	CRYSTAL UNIT QUARTZ: Frequency 8364 KC; metal holder; type CR-18/U, MIL spec. C-3098, 11/16" wd x 3/4" h x 5/16" thk, two terminal pins .050" dia spaced 1/2" c to c 7/32" long.						KP-23805A

* Not furnished as a maintenance part to Bureau of Ships activities. If failure occurs, do not request replacement unless the item cannot be repaired or fabricated.